Arkady Khoutorsky

List of Publications by Year
in descending order

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28 papers	2,158 citations	304743 22 h-index	501196 28 g-index
31 all docs	31 docs citations	31 times ranked	3465 citing authors

#	Article	IF	Citations
1	Uncovering memory-related gene expression in contextual fear conditioning using ribosome profiling. Progress in Neurobiology, 2021, 197, 101903.	5.7	6
2	4E-BP2-dependent translation in cerebellar Purkinje cells controls spatial memory but not autism-like behaviors. Cell Reports, 2021, 35, 109036.	6.4	2
3	4E-BP2â€“dependent translation in parvalbumin neurons controls epileptic seizure threshold. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	10
4	Intranasal insulin rescues repeated anesthesia-induced deficits in synaptic plasticity and memory and prevents apoptosis in neonatal mice via mTORC1. Scientific Reports, 2021, 11, 15490.	3.3	7
5	Monitoring translation in synaptic fractions using a ribosome profiling strategy. Journal of Neuroscience Methods, 2020, 329, 108456.	2.5	7
6	Dysregulation of translational control signaling in autism spectrum disorders. Cellular Signalling, 2020, 75, 109746.	3.6	10
7	Nociceptor Translational Profiling Reveals the Ragulator-Rag GTPase Complex as a Critical Generator of Neuropathic Pain. Journal of Neuroscience, 2019, 39, 393-411.	3.6	95
8	Translational Control Mechanisms in Persistent Pain. Trends in Neurosciences, 2018, 41, 100-114.	8.6	91
9	eIF4E-Dependent Translational Control: A Central Mechanism for Regulation of Pain Plasticity. Frontiers in Genetics, 2018, 9, 470.	2.3	39
10	Translational profiling of dorsal root ganglia and spinal cord in a mouse model of neuropathic pain. Neurobiology of Pain (Cambridge, Mass), 2018, 4, 35-44.	2.5	45
11	eIF4E Phosphorylation Influences Bdnf mRNA Translation in Mouse Dorsal Root Ganglion Neurons. Frontiers in Cellular Neuroscience, 2018, 12, 29.	3.7	33
12	Metformin ameliorates core deficits in a mouse model of fragile X syndrome. Nature Medicine, 2017, 23, 674-677.	30.7	164
13	The MNKâ€“eIF4E Signaling Axis Contributes to Injury-Induced Nociceptive Plasticity and the Development of Chronic Pain. Journal of Neuroscience, 2017, 37, 7481-7499.	3.6	106
14	Epiregulin and EGFR interactions are involved in pain processing. Journal of Clinical Investigation, 2017, 127, 3353-3366.	8.2	85
15	eIF2Î± phosphorylation controls thermal nociception. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 11949-11954.	7.1	37
16	mTOR kinase is needed for the development and stabilization of dendritic arbors in newly born olfactory bulb neurons. Developmental Neurobiology, 2016, 76, 1308-1327.	3.0	35
17	Translational Control of Chronic Pain. Progress in Molecular Biology and Translational Science, 2015, 131, 185-213.	1.7	25
18	mTORC2 Balances AKT Activation and eIF2Î± Serine 51 Phosphorylation to Promote Survival under Stress. Molecular Cancer Research, 2015, 13, 1377-1388.	3.4	35

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19	Inhibition of Group I Metabotropic Glutamate Receptors Reverses Autistic-Like Phenotypes Caused by Deficiency of the Translation Repressor eIF4E Binding Protein 2. Journal of Neuroscience, 2015, 35, 11125-11132.	3.6	48
20	Translational control of nociception via 4E-binding protein 1. ELife, 2015, 4, .	6.0	34
21	Pharmacogenetic Inhibition of eIF4E-Dependent Mmp9 mRNA Translation Reverses Fragile X Syndrome-like Phenotypes. Cell Reports, 2014, 9, 1742-1755.	6.4	174
22	Unique Interweaved Microtubule Scaffold Mediates Osmosensory Transduction via Physical Interaction with TRPV1. Neuron, 2014, 83, 866-878.	8.1	94
23	Multifaceted Regulation of Somatic Cell Reprogramming by mRNA Translational Control. Cell Stem Cell, 2014, 14, 606-616.	11.1	39
24	Autism-related deficits via dysregulated eIF4E-dependent translational control. Nature, 2013, 493, 371-377.	27.8	451
25	mTORC1 inhibition induces pain via IRS-1-dependent feedback activation of ERK. Pain, 2013, 154, 1080-1091.	4.2	79
26	Control of Synaptic Plasticity and Memory via Suppression of Poly(A)-Binding Protein. Neuron, 2013, 78, 298-311.	8.1	65
27	Reactivation of stalled polyribosomes in synaptic plasticity. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 16205-16210.	7.1	149
28	Targeting Adenosine Monophosphate-Activated Protein Kinase (AMPK) in Preclinical Models Reveals a Potential Mechanism for the Treatment of Neuropathic Pain. Molecular Pain, 2011, 7, 1744-8069-7-70.	2.1	189